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SEQUENCE LISTING

<110> UEMURA, Hidetoshi
OKUI, Akira
KOMINAMI, Katsuya
YAMAGUCHI, Nozomi
MITSUI, Shinichi

<120> NOVEL SERINE PROTEASE BSSP6

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<140> 09/856,320

<141> 2001-05-21

<150> JP 10-347802

<151> 1998-11-20

<160> 41

<170> PatentIn version 3.1

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Met Gln

agg ttg agg tgg ctg cgg gac tgg aag tca tgg ggc aga ggt ctc aca 166
Arg Leu Arg Trp Leu Arg Asp Trp Lys Ser Ser Gly Arg Gly Leu Thr
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Ala Ala Lys Glu Pro Gly Ala Arg Ser Ser Pro Leu Gln Ala Met Arg
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Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly Leu Val Gly Gly
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Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Pro His Ser Gln Pro
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cgc	tac	ata	gtt	cac	ctg	ggg	cag	cac	aac	ctc	cag	aag	gag	gag	ggc	454	
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Cys	Glu	Gln	Thr	Arg	Thr	Ala	Thr	Glu	Ser	Phe	Pro	His	Pro	Gly	Phe	75	
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Trp	Gly	Ser	Thr	Ser	Ser	Pro	Gln	Leu	Arg	Leu	Pro	His	Thr	Leu	Arg	140	
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Gln	Ser	Leu	Gln	Gly	Ile	Ile	Ser	Trp	Gly	Gln	Asp	Pro	Cys	Ala	Ile	205	
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-5 -1 1 5 10

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Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu
30 35 40

Lys Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu
45 50 55

Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro
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Gly Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met
80 85 90

Leu Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro
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Leu Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Leu Ile
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Leu Arg Cys Ala Asn Ile Thr Ile Ile Glu His Gln Lys Cys Glu Asn
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Ala Tyr Pro Gly Asn Ile Thr Asp Thr Met Val Cys Ala Ser Val Gln
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Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val
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Cys Asn Gln Ser Leu Gln Gly Ile Ile Ser Trp Gly Gln Asp Pro Cys
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Met Arg Arg Leu
-45
aag agt gac tgg aaa tta tct aca gaa acc agg gaa cct ggc gcc cgc 162
Lys Ser Asp Trp Lys Leu Ser Thr Glu Thr Arg Glu Pro Gly Ala Arg
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Pro Ala Leu Leu Gln Ala Arg Met Ile Leu Arg Leu Ile Ala Leu Ala
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Thr Arg Leu Leu Cys Gly Ala Thr Leu Ile Ala Pro Lys Trp Leu Leu

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 -15 -10 -5 -1 1

Ile Lys Gly Tyr Glu Cys Arg Pro His Ser Gln Pro Trp Gln Val Ala
 5 10 15

Leu Phe Gln Lys Thr Arg Leu Leu Cys Gly Ala Thr Leu Ile Ala Pro
 20 25 30

Lys Trp Leu Leu Thr Ala Ala His Cys Arg Lys Pro His Tyr Val Ile
 35 40 45

Leu Leu Gly Glu His Asn Leu Glu Lys Thr Asp Gly Cys Glu Gln Arg
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Arg Met Ala Thr Glu Ser Phe Pro His Pro Asp Phe Asn Asn Ser Leu
 70 75 80

Pro Asn Lys Asp His Arg Asn Asp Ile Met Leu Val Lys Met Ser Ser
 85 90 95

Pro Val Phe Phe Thr Arg Ala Val Gln Pro Leu Thr Leu Ser Pro His
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 115 120 125

Ser Ser Pro Gln Leu Arg Leu Pro His Ser Leu Arg Cys Ala Asn Val
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Ser Ile Ile Glu His Lys Glu Cys Glu Lys Ala Tyr Pro Gly Asn Ile
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Thr Asp Thr Met Leu Cys Ala Ser Val Arg Lys Glu Gly Lys Asp Ser
 165 170 175

Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Asn Gly Ser Leu Gln
180 185 190

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15 20 25

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Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu Lys Pro
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Trp Val Ser Leu Thr Ser Pro Thr His Val Ser Pro Asp Leu Ser Ser
50 55 60

tcc aac tac tgt ctc tcc cac ctc agc cgc tac ata gtt cac ctg ggg 344
Ser Asn Tyr Cys Leu Ser His Leu Ser Arg Tyr Ile Val His Leu Gly
65 70 75

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 30 35 40
 Lys Pro Trp Val Ser Leu Thr Ser Pro Thr His Val Ser Pro Asp Leu
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 Ser Ser Ser Asn Tyr Cys Leu Ser His Leu Ser Arg Tyr Ile Val His
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 Thr Ala Thr Glu Ser Phe Pro His Pro Gly Phe Asn Asn Ser Leu Pro
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 Asn Lys Asp His Arg Asn Asp Ile Met Leu Val Lys Met Ala Ser Pro
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 Val Ser Ile Thr Trp Ala Val Arg Pro Leu Thr Leu Ser Ser Arg Cys
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 Val Thr Ala Gly Thr Ser Cys Leu Ile Ser Gly Trp Gly Ser Thr Ser
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 Ser Pro Gln Leu Arg Leu Pro His Thr Leu Arg Cys Ala Asn Ile Thr
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 Ile Ile Glu His Gln Lys Cys Glu Asn Ala Tyr Pro Gly Asn Ile Thr
 175 180 185
 Asp Thr Met Val Cys Ala Ser Val Gln Glu Gly Gly Lys Asp Ser Cys
 190 195 200
 Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Asn Gln Ser Leu Gln Gly
 205 210 215
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Lys Asn Asn

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 <212> DNA
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<220>
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 SecTrypHis/Neurosin

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<210> 12
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 <212> DNA
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<210> 13
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<210> 14
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<210> 19
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<400> 20
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<210> 21
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 <220>
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 <210> 22
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 <212> DNA
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 <400> 22
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 <210> 23
 <211> 20
 <212> DNA
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 <220>
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 or human BSSP6 (reverse)

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 <210> 24
 <211> 20
 <212> DNA
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 <220>
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 or human BSSP6 (reverse)

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 <210> 25
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 <212> DNA
 <213> Artificial Sequence

 <220>
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<210> 26
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<210> 27
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<212> DNA
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<220>
<223> Designated oligonucleotide primer designated as mBSSP6F2 for RACE
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<210> 28
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<220>
<223> Designed oligonucleotide primer designated as mBSSP6F3 to amplify
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                                                    18

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<220>
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or mouse BSSP6 (reverse)

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<220>
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or mouse BSSP6 (reverse)

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<220>
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<210> 34
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<220>
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<210> 35
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<210> 36

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<220>

<223> Designed oligonucleotide primer to amplify conserved region of se
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<220>

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<400> 36

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20

<210> 37

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<210> 38

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<212> DNA

<213> Artificial Sequence

<220>

<223> Designed oligonucleotide to construct plasmid pTrypHis

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<211> 117

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed oligonucleotide to construct plasmid pTrypHis

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<212> PRT

<213> Artificial Sequence

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<210> 41

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 41

Lys Val His Gly
1